

CLAIMS:

1. A system for adaptively driving a coloured liquid crystal display (102) for displaying a sequence of images, and comprising driving electronics (106) for supplying a driving voltage for each pixel in said display (102) and characterized in further comprising a frame memory (116) for storing a first image of said sequence of images, which first image is presently displayed on said display (102), and a look-up table (110) for generating a pre-write signal (108) for said driving electronics (106) based on said first image in said frame memory (116) and a subsequent image to be displayed on said display (102).
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2. A system according to claim 1, wherein said look-up table (110) is operable to generate a pre-write signal (108) for said driving electronics (106) based on a difference between pixel voltages of said first and of said subsequent image to be displayed on said display (102).
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3. A system according to claim 1, wherein said look-up table (110) comprising a general matrix of predefined pre-write signals and is operable to select a pre-write signal (108) from said predefined pre-write signals based on pixel voltages of said first and of said subsequent image to be displayed on said display (102), and is operable to communicate said predefined pre-write signals (108) to said driving electronics (106).
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4. A system according to any of claims 1 to 3, wherein said driving electronics (106) is operable to generate a background driving voltage signal for pixels in said LCD panel (102) after generating a driving voltage for pixels in said LCD panel (102) in accordance with said first image.
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5. A system according to any of claims 1 to 3, wherein said look-up table (110) is adapted to generate said pre-write signal (108) based on pixel voltages of selected pixels in said first and subsequent image.
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6. A system according to claim 5, wherein said selected number of pixels comprise a line of pixels in said first and subsequent image.
7. A system according to claim 4, wherein said predefined pre-write signals enable said driving electronics (108) to generate a background driving voltages for pixels in a grey-level in the range between 20% to 50%.
8. A system according to claim 1, wherein said look-up table (110) is operable to generate a first pre-write signal for said driving electronics (106), when a difference between a driving voltage for a pixel of said first image and said subsequent image is negative and is operable to generate a second pre-write signal for said driving electronics (106), when said difference is positive.
9. A system according to claim 8, wherein first pre-write signal enables said driving electronics (106) to generate a driving voltage having a short time duration for said pixel and wherein said second pre-write signal enables said driving electronics (106) to generate a driving voltage having a longer time duration.